

Date: Mon, 14 Mar 94 13:34:51 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #288
To: Info-Hams

Info-Hams Digest Mon, 14 Mar 94 Volume 94 : Issue 288

Today's Topics:

 4-1000A Chimney
 Best cars for mobile HF/VHF??
 Best truck/sport util for HF/VHF?
 CAN WE SELL STUFF HERE?
 Daily Summary of Solar Geophysical Activity for 13 March
 Definition of CW speeds
 Electronic Schematics-Exo (2 msgs)
 Grounding and lightning protection
 Help with FTPing! (2 msgs)
 PS/2 into Repeater Controller (2 msgs)
 Telemetry Hardware

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Mar 94 19:26:52 GMT
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hp.com
Subject: 4-1000A Chimney
To: info-hams@ucsd.edu

Jack GF Hill (root@jackatak.raider.net) wrote:
: alanb@sr.hp.com (Alan Bloom) writes:
: > Don Turner (don.turner@eabbs.com) wrote:
: > : Hi Guys: I need a chimney for my 4-1000A tube. The Eimac part number
: > : is SK-506. If any of you are will to let go of one of these, leave a
: > : message.Don Turner WA6WRX
: >

: > I know that a Coleman lantern globes work perfectly for 3-1000's. Not sure
: > if they work with 4-1000's. They are much cheaper than Eimac chimneys.
: Good thought, Al! Never tried that myself, but a fairly easy
: substitute is a LARGE Pickel jar... fire a string around the
: "bottom/top" and POOF! A chimney! ;^)

You want to be careful what kind of glass you use. Coleman lantern globes
are heat-resistant, so are a good choice for a tube chimney.

They are just the right size, too!

AL N1AL

Date: Mon, 14 Mar 1994 17:25:52 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!cs.uiuc.edu!
news1.oakland.edu!rcsuna.gmr.com!kocrsv01!c2xjcb@network.ucsd.edu
Subject: Best cars for mobile HF/VHF??
To: info-hams@ucsd.edu

In article <1994Mar11.135613.16379@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary
Coffman) writes:
> In article <2lor4d\$krj@brahms.udel.edu> penneys@brahms.udel.edu (Robert Penneys)
writes:
> >I need to replace a car and want one which 100 watts or so of HF and 50 watts
> >or so of 2 meters or 440 will not interfere with the electronics af the
> >vehicle. Nor do I want ignition or other noise beyond the bare minimum.
> >
> >In consideration are four door sedans from the size of a Corolla up to that
> >of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford
> >Aerostar.

My '94 Chevy Lumina Euro seems OK for HF; I'd planted my Kenwood
TS-140 on the passenger seat the other day, and had NO problems.
75W out on 20M thru the cigarette lighter; OK, large capacitor and
ferrite torroid on power lines, left over from my '88 Grand Am whose
"Driver Information Center" didn't like the 20M band :-). Couldn't
even find the "birdies" from the Engine Control Module's uP!

The only discernable "noise" is a small bit of hash from the fuel pump,
and a lot of hash when raising/lowering the power windows. I suspect
a simple LCL Pi filter on the fuel pump harness (near the fuel pump)
would take out the noise, but so does the noise blanker on the radio.

BTW:

Not to make this a big sale pitch for GM, but we do a LOT of RFI testing on our cars to make sure that they neither corrupt nor get corrupted by ham rigs. Stop by the GM booth at the Dayton HamVention and we can talk some more . . .

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| | | |
|-------------------------|----------------------|--------------------------------|
| James C. Bach | Ph: (317)-451-0455 | The views & opinions expressed |
| Advanced Project Engr. | GM-NET: 8-322-0455 | herein are mine alone, and are |
| Powertrain Strategy Grp | Amateur Radio: WY9F | NOT endorsed, sponsored, nor |
| Delco Electronics Corp. | Just say NO to UNIX! | encouraged by DE or GM. |

Date: 14 Mar 1994 16:41:17 GMT
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!news.umbc.edu!eff!
news.kei.com!yeshua.marcam.com!charnel!olivea!news.bbn.com!news!
levin@network.ucsd.edu
Subject: Best truck/sport util for HF/VHF?
To: info-hams@ucsd.edu

In article <1994Mar14.141940.2305@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

Well if it's a sport utility that you want, the Jeep Cherokee or Jeep Comanche pickup are hard to beat. . . .

Without commenting on their suitability for radio (and I know at least one person who has had a large HF station in a Jeep), in this part of the country (Northern New England) used Jeeps have been known as cars to avoid due to the amount of rust they develop. This is not an issue in the southwest, and I doubt they use much salt on the roads in the Atlanta area. Your mileage (sorry) may vary.

/JBL KD10N

=

Nets: levin@bbn.com |
pots: (617)873-3463 |
KD10N (@KB4N.NH.USA) |

"I gotta go."

-- I. Shoales

Date: 14 Mar 94 20:40:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: CAN WE SELL STUFF HERE?
To: info-hams@ucsd.edu

>are two reasons I am a bit apprehensive about "a million newbies in one
>fell swoop" number one is that there is less of an opportunity for these
>people to learn netiquette before posting and many of them don't lurk for
>two or three months before jumping in with both feet, a side effect of

>paying for your first account I suppose. The second reason is that as the
This is sorta like the burst we've seen in amateur radio with the Technician
license.

Big jump of new people and not enough "old guys" running around to do the
introductions....what it means is that we get to find out if "netiquette" is
up to the task. if it works well for most it will continue pretty much the
way it is, if it's not, it will "change" and either improve or degrade.

It's like the rear guard still fighting the battles over the use of the word
"destinated" - usually by replacing it with something a lot more wordy that
means "arrived".

bill wb9ivr

Date: Mon, 14 Mar 1994 08:03:36 MST
From: ihnp4.ucsd.edu!library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!
nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 13 March
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

13 MARCH, 1994

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 13 MARCH, 1994

NOTE: Stratospheric warming continues to exist over Siberia, the polar
region, and Greenland. Temperature gradient is reversed between 60N
and the pole at 10 HPA and above.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 072, 03/13/94
10.7 FLUX=090.1 90-AVG=106 SSN=060 BKI=4524 3324 BAI=021
BGND-XRAY=B1.1 FLU1=1.9E+06 FLU10=2.4E+04 PKI=5534 3334 PAI=022
BOU-DEV=069,081,019,046,029,031,017,042 DEV-AVG=041 NT SWF=00:000
XRAY-MAX= B6.6 @ 0628UT XRAY-MIN= A8.2 @ 2330UT XRAY-AVG= B1.5
NEUTN-MAX= +003% @ 1845UT NEUTN-MIN= -002% @ 1655UT NEUTN-AVG= +0.1%

PCA-MAX= +0.2DB @ 2345UT PCA-MIN= -0.3DB @ 0840UT PCA-AVG= +0.0DB
BOUTF-MAX=55364NT @ 0355UT BOUTF-MIN=55310NT @ 1817UT BOUTF-AVG=55335NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+068,+000,+000
GOES6-MAX=P:+133NT@ 1815UT GOES6-MIN=N:-130NT@ 0331UT G6-AVG=+089,+026,-052
FLUXFCST=STD:090,090,095;SESC:090,090,095 BAI/PAI-FCST=015,015,015/020,015,010
KFCST=2213 4122 2214 5111 27DAY-AP=028,018 27DAY-KP=4443 3544 4333 5333
WARNINGS=*GSTRM
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 12 MAR 94 was 32.1.
The Full Kp Indices for 12 MAR 94 are: 4o 4+ 6o 5o 5o 3o 4- 4-
The 3-Hr Ap Indices for 12 MAR 94 are: 29 34 80 46 46 16 25 24
Greater than 2 MeV Electron Fluence for 13 MAR is: 1.6E+09

SYNOPSIS OF ACTIVITY

Solar activity was very low. No activity beyond a B4/SF
flare in Region 7690 (S15W68) occurred.

Solar activity forecast: solar activity is expected to be
very low to low. Region 7688 (N18E33) has the best chance for
C-class activity.

The geomagnetic field has been at unsettled to active
levels for the past 24 hours. High latitude stations reported
occasional minor storm levels. Energetic electron fluxes
(GT 2 MeV) have receded to moderate levels.

Geophysical activity forecast: the geomagnetic field is
expected to be mostly unsettled for the entire forecast period.
High latitude stations may still experience active levels for
the next 24 hours.

Event probabilities 14 mar-16 mar

| | |
|---------|----------|
| Class M | 01/05/05 |
| Class X | 01/01/01 |
| Proton | 01/01/01 |
| PCAF | Green |

Geomagnetic activity probabilities 14 mar-16 mar

| | |
|---------------------|----------|
| A. Middle Latitudes | |
| Active | 25/25/25 |
| Minor Storm | 25/15/15 |

Major-Severe Storm 05/05/05

B. High Latitudes

Active 20/35/25

Minor Storm 30/15/15

Major-Severe Storm 10/05/05

HF propagation conditions were below-normal, but slowly improving over the high and polar latitude regions. Middle latitude paths were returning to near-normal values today. High and polar latitudes should return to near-normal values (with sporadic periods of minor night-sector signal degradation) by about 15 or 16 March.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 13/2400Z MARCH

| NMBR | LOCATION | LO | AREA | Z | LL | NN | MAG | TYPE |
|------|----------|-----|------|-----|----|-----|-------|------|
| 7685 | S08W83 | 342 | 0040 | HSX | 02 | 002 | ALPHA | |
| 7688 | N19E33 | 226 | 0110 | DAO | 08 | 010 | BETA | |
| 7689 | S10W65 | 324 | 0010 | BX0 | 04 | 003 | BETA | |
| 7690 | S14W69 | 328 | 0010 | BX0 | 07 | 005 | BETA | |
| 7687 | N18W79 | 338 | | | | | PLAGE | |

REGIONS DUE TO RETURN 14 MARCH TO 16 MARCH

NMBR LAT LO

NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 13 MARCH, 1994

A. ENERGETIC EVENTS:

| BEGIN | MAX | END | RGN | LOC | XRAY | OP | 245MHZ | 10CM | SWEEP |
|-------|-----|-----|-----|-----|------|----|--------|------|-------|
| NONE | | | | | | | | | |

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 13 MARCH, 1994

| BEGIN | MAX | END | LOCATION | TYPE | SIZE | DUR | II | IV |
|--------------------|-----|-----|----------|------|------|-----|----|----|
| NO EVENTS OBSERVED | | | | | | | | |

INFERRED CORONAL HOLES. LOCATIONS VALID AT 13/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS

EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

| Date | Begin | Max | End | Xray | Op | Region | Locn | 2695 MHz | 8800 MHz | 15.4 GHz |
|---------|-------|-------|-------|-------|-----|--------|--------|----------|----------|----------|
| ----- | ----- | ----- | ----- | ----- | --- | ----- | ----- | ----- | ----- | ----- |
| 12 Mar: | 0009 | 0013 | 0015 | B2.0 | | | | | | |
| | 0603 | 0609 | 0611 | B2.7 | | | | | | |
| | 0736 | 0743 | 0747 | C1.1 | | | | | | |
| | 1000 | 1004 | 1009 | B2.9 | | | | | | |
| | 1253 | 1303 | 1313 | B3.0 | SF | 7688 | N17E53 | | | |
| | 1726 | 1734 | 1744 | B3.2 | | | | | | |
| | 1914 | 1934 | 1944 | B3.0 | | | | | | |
| | 2044 | 2050 | 2100 | B5.4 | | | | | | |
| | 2336 | 2341 | 2347 | B3.1 | | | | | | |

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

| | C | M | X | S | 1 | 2 | 3 | 4 | Total | (%) |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | ----- |
| Region 7688: | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 001 | (11.1) |
| Uncorrelated: | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 008 | (88.9) |

Total Events: 009 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

| Date | Begin | Max | End | Xray | Op | Region | Locn | Sweeps/Optical Observations |
|---------|-------|-------|-------|-------|-----|--------|--------|-----------------------------|
| ----- | ----- | ----- | ----- | ----- | --- | ----- | ----- | ----- |
| 12 Mar: | 0009 | 0013 | 0015 | B2.0 | | | | III |
| | 1253 | 1303 | 1313 | B3.0 | SF | 7688 | N17E53 | III |
| | 1914 | 1934 | 1944 | B3.0 | | | | III |

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II = Type II Sweep Frequency Event
III = Type III Sweep
IV = Type IV Sweep
V = Type V Sweep
Continuum = Continuum Radio Event
Loop = Loop Prominence System,
Spray = Limb Spray,
Surge = Bright Limb Surge,
EPL = Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 14 Mar 94 19:40:00 GMT
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hp.com
Subject: Definition of CW speeds
To: info-hams@ucsd.edu

William J Turner (wjturner@iastate.edu) wrote:

: FYI--the accepted "correct" ratios are 3 to 1. Thus a dah is three times the
: length of a dit. ...

: This is why people who have some background in music generally have a cleaner
: fist--it's in the triplets.

When you include the space between elements, the dash/dot ratio is 2:

Dot Dash

XXXXX XXXXXXXXXXXXXXXXX XXXXXetc.....
<-1-><-1-><-----3-----><-1->
<----2---><-----4----->

A string of dots has twice the number of elements per second as a
string of dahs. So I like to think of dots as (stacatto) quarter notes
and dahs as half notes. No triplets required!

AL N1AL

Date: Sun, 13 Mar 94 08:31:00 -0400
From: hub.cs.jmu.edu!hearst.acc.Virginia.EDU!pplace!ed.lang@uunet.uu.net

Subject: Electronic Schematics-Exo
To: info-hams@ucsd.edu

ME-->Would anyone mind assisting me by downloading my catalog from the BBS and
-->let me know if it is possible to post it in specified groups of people who
-->could possibly become part of our manufacturing team of exotic surveillanc
-->gear for law enforcement agencies.

I would like to hear more about this. I am self employed and have
electronics experience. I have been servicing equipment since 1976.

Thanks

SLMR 2.1a KC4YLX DX-CLUSTER & WA4TFZ PBBS ed.lang@pplace.com

Date: Sun, 13 Mar 94 08:31:00 -0400
From: hub.cs.jmu.edu!hearst.acc.Virginia.EDU!pplace!ed.lang@uunet.uu.net
Subject: Electronic Schematics-Exo
To: info-hams@ucsd.edu

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-->could possibly become part of our manufacturing team of exotic surveillanc
-->gear for law enforcement agencies.

I would like to hear more about this. I am self employed and have
electronics experience. I have been servicing equipment since 1976.

Thanks

SLMR 2.1a KC4YLX DX-CLUSTER & WA4TFZ PBBS ed.lang@pplace.com

Date: 14 Mar 94 19:57:50 GMT
From: sdd.hp.com!col.hp.com!srngenprp!alanb@hplabs.hp.com
Subject: Grounding and lightning protection
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

[re: do lightning rods prevent lightning hits]

: This is a common misconception, and a few companies have made good

: livings feeding this error. But the FAA put it to rest with their
: field tests in Florida. They set up a series of towers, ...

Gary, do you have the literature reference for that study? I'd like
to read it.

: Now remembering that 20 Coulombs have to be dissipated, the following
: formula tells how long that would take.

: $T = 3600 \times Q \times I$

There's a typo in the above equation -- the units don't work out.
(Seconds don't equal coulombs * coulombs/sec) Also, to convert from
seconds to hours you divide by 3600. I think the equation should be:

$T = (Q/I) / 3600$

AL N1AL

Date: Mon, 14 Mar 94 09:06:22 PST
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!nntp-server.caltech.edu!
mustang.mst6.lanl.gov!newshost.lanl.gov!usenet@network.ucsd.edu
Subject: Help with FTPing!
To: info-hams@ucsd.edu

In article <29B8E6C7A0619B05@snypotvx.bitnet>,
<COLERK%snypotvx.BITNET@CUNYVM.CUNY.EDU> writes:
> Path:
newshost.lanl.gov!ncar!gatech!howland.reston.ans.net!cs.utexas.edu!swrinde!ihnp
4.ucsd.edu!network.ucsd.edu!news-mail-gateway
> From: COLERK%snypotvx.BITNET@CUNYVM.CUNY.EDU
> Newsgroups: rec.radio.amateur.misc
> Subject: Help with FTPing!
> Date: 11 Mar 94 10:41:00 GMT
> Organization: ucsd usenet gateway
> Lines: 13
> Message-ID: <29B8E6C7A0619B05@snypotvx.bitnet>
> NNTP-Posting-Host: ucsd.edu
> Originator: daemon@ucsd.edu
>
> Gile
> as a .ZIP but cannot UNZip it...I ALWAYS get "WARNING!" file fails CRC check
or

It is very simple type binary at the FTP prompt before making the transfer.
You have been transferring in ascii compressed files are by definition
binary. Have fun 73 Gerald Schmitt KC5EGG

Date: 14 Mar 94 18:43:26 GMT
From: news-mail-gateway@ucsd.edu
Subject: Help with FTPing!
To: info-hams@ucsd.edu

Roger asks:

Greetings...you'll have to excuse my lack of knowledge when it comes to using FTP procedures....haven't been at this long....using FTP I login to FUNE.FI, no problem there...once I find a .ZIP file I want I ask it to GET the file... again no problem, the program is sent to my local mainframe...I log off of the FTP address and go to the local mainframe and ask to send...I receive the file as a .ZIP but cannot UNZip it...I ALWAYS get "WARNING!" file fails CRC check or "has bad table"....on the local mainframe we have to use KERMIT to transfer files...or at least that is what I was told....like I said, I'm new at this so please excuse my lack of knowledge associated with using FTP procedures...I thank you in advance for any information I might receive. <snip>

You need to transfer the file as a binary, to do this, invoke the "bin" (binary) command before the "get" command. If you are transferring several binary files, you only need to issue the "bin" command before the first one, it is a toggle to binary mode. Otherwise, the default file transfer mode is ascii. That should fix your problem. You may also want to make sure you have pkunzip 2.04 rather than an earlier version, since you can not unzip a file zipped with 2.04 with an old unzip.

73

Wm. A. Kirsanoff Internet: WAKIRSAN@ananov.remnet.ab.com
Rockwell International Ham: KD6MCI
(714) 762-2872
Alternate Internet: william_a._kirsanoff@ccmail.anatcp.rockwell.com

Who are you? * I am number 2. * Who is number 1? * You are number 6.

Date: Mon, 14 Mar 1994 16:34:12 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!torn!csd.unb.ca!a4q4@network.ucsd.edu
Subject: PS/2 into Repeater Controller
To: info-hams@ucsd.edu

I have a PS/2 Model 30 sitting idle on my desk.....I have no hard drive for it, so I'm looking for a possible application for it. I'd like to know if anyone has any information on how I might change this unit into a repeater controller.

Don Trynor VE9NZ

--

```
-----  
| Donald J. Trynor  EE          | " I've got a strong urge to fly... |  
| University of New Brunswick | ...but I've got no where to fly to." |  
| A4Q4@JUPITER.SUN.CSD.UNB.CA |                                         |  
-----
```

Date: 14 Mar 94 19:32:36 GMT
From: dog.ee.lbl.gov!agate!news.Brown.EDU!NewsWatcher!user@ucbvax.berkeley.edu
Subject: PS/2 into Repeater Controller
To: info-hams@ucsd.edu

In article <1994Mar14.163412.24670@jupiter.sun.csd.unb.ca>,
a4q4@jupiter.sun.csd.unb.ca (D.J.Trynor EE) wrote:

> I have a PS/2 Model 30 sitting idle on my desk.....I have no hard drive for
> it, so I'm looking for a possible application for it. I'd like to know
> if anyone has any information on how I might change this unit into a
> repeater controller.
>
> Don Trynor VE9NZ

Actually it could be done. You'll need some sort of card that will allow you to control relays, etc. They sell them in some of the engineering magazines for roughly \$200.

The software end wouldn't be too complicated either, and with a hard drive it'd be one kick-butt controller. Hell.. think of the mods you could make!

Tony

--

== Anthony_Pelliccio@Brown.edu (Tony Pelliccio, KD1NR)

== Box 1908, Providence, RI 02912 Tel. (401) 863-1880
== All opinions expressed are those of the individual, and not those
== of Brown University.

Date: 13 Mar 94 18:27:55 GMT
From: concert!gatech!prism!ms38@rutgers.rutgers.edu
Subject: Telemetering Hardware
To: info-hams@ucsd.edu

Perhaps some of you can help me with a couple of projects we have in our Biodynamics lab. We have need for transmitting (one way) some analog and digital signals to a nearby PC for recording and later processing, but need a wireless link. On one project, the maximum distance is around 30' (mobile cats walking around) and the other, around 1 mile (instrumenting Olympic cyclists).

Can you recommend vendors that offer kits, modules or systems that enable the wireless transmission of analog and digital signals over small distances? More specifically, we would like to remote 4+ x 2000 hz, analog (12 bit range) signals to a PC. I could ADC and convert to high speed serial locally then transmit a digital serial stream. I am familiar with EE cktry so am not afraid to build peripheral equipment but need help with the basic RF link.

Your help is most appreciated. Since I don't often read newsgroups, I would appreciate any information mailed to me @

ms38@prism.gatech.edu

Thanks in advance. -Mike Sinclair-

Date: Mon, 14 Mar 1994 17:32:59 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!vixen.cso.uiuc.edu!cs.uiuc.edu!news1.oakland.edu!rcsuna.gmr.com!kocrsv01!c2xjcb@network.ucsd.
To: info-hams@ucsd.edu

References <1994Mar11.121949.17460@news.csuohio.edu>,
<CMIACE.D9C@hpbqmoa.sqf.hp.com>, <CMIHqr.IAK@world.std.com>.a
Subject : Re: Best cars for mobile HF/VHF??

In article <CMIHqr.IAK@world.std.com>, dts@world.std.com (Daniel T Senie) writes:
> >

> > Give serious thought to Diesels, no ignition, no computers
> >
>

^^^^^^^^^^
! WRONG !

We've been building diesel engine controllers for many many years.

In fact, we've got an engine controller for LP-fueled fork-lifts!

And we've got a controller for marine applications; one of them even got submerged (with the boat) in salt-water for 10 weeks, and after they dredged-out the boat (and cleaned-up the engine) the engine started on the 1st-crank with THAT controller. But I digress.

There are several diesel models with computers controlling the electronically controlled transmissions!

And what about the instrument cluster, CD player/Radio, etc.?

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| | | |
|-------------------------|----------------------|--------------------------------|
| James C. Bach | Ph: (317)-451-0455 | The views & opinions expressed |
| Advanced Project Engr. | GM-NET: 8-322-0455 | herein are mine alone, and are |
| Powertrain Strategy Grp | Amateur Radio: WY9F | NOT endorsed, sponsored, nor |
| Delco Electronics Corp. | Just say NO to UNIX! | encouraged by DE or GM. |

Date: Mon, 14 Mar 1994 19:22:52 GMT
From: worldbank.org!news@uunet.uu.net
To: info-hams@ucsd.edu

References <2lor4d\$krj@brahms.udel.edu>, <1994Mar11.135613.16379@ke4zv.atl.ga.us>,
<2lqm7q\$qi5@slinky.cs.nyu.edu>uu
Subject : Re: Best cars for mobile HF/VHF??

In article <2lqm7q\$qi5@slinky.cs.nyu.edu> jackson@longlast.cs.nyu.edu (Steven Jackson) writes:

>|> Look at what the cops are driving. Ford Crown Victorias seem popular
>|> with them, as do Chevy Caprices. Order your's with the same fleet codes
>|> that they use and you'll have a car that works well with radios. (It'll
>|> also have the heavy duty electrical system, cooling system, and suspension
>|> of a cop car.) Get the same color scheme that they use for their unmarked
>|> cars too, that way the antennas won't draw suspicion. (And you may avoid
>|> some tickets.)

>

>I had been thinking the same thing for quite a while, too. Only not for the
>ability to work with radios, more because the Caprices look like they'll be
>a comfortable ride and the antennas will look normal on them. In fact, I've

>been trying to find the tiny antennas they have mounted on the roof
immediately
>above to rear window for scanner use. That'll definitely finish the image
off.
>Problem is, what are they usually tuned to? Of course, you could always get
>a cellular lookalike 2m trunk lip mount to complement the roof mount.
>--
>Steven Jackson New York
University
>Assistant to the Chair of Comp Sci Courant Inst. of Mathematical
Sciences
>jackson@cs.nyu.edu, jcksnste@acfcluster 251 Mercer St, Room 411,NY
10012
> "Not in my head.. so I don't have to think.." -- Nik Fiend
>

Yea, but who wants to be seen in an LTD or Caprice - dead or alive?

Date: Mon, 14 Mar 1994 17:07:51 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!newshub.ccs.yorku.ca!
apogee.ccs.yorku.ca!edleslie@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Mar13.134356.26825@ke4zv.atl.ga.us>, <CMM3ro.BLM@world.std.com>,
<1994Mar14.134950.1991@ke4zv.atl.ga.us>
Subject : Re: Diesel or Taurus fr HF/VHF mobile??

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: systems disconnected, it still made the pseudo-ignition noise. The best
: guess we could come up with was that the plasma formed by combustion was
: somehow shock exciting something and causing it to radiate. We considered
: static discharges due to the rotating machinery, but we bonded *everything*,
: including finger stock on the crank and cam, and on the injection pump
: cam, and we put anti-static brushes on the clutch, all without making it
: go away.

For a wild shot, could there have been a Piezo-electric (sp?) effect taking
place with the ignitors or some such thing (i.e. the shock wave from
combustion causing a piezo-electric discharge)?

73 de Ed/VE3ZVZ

Date: 14 Mar 1994 17:50:30 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu

To: info-hams@ucsd.edu

References <CMEp3s.38H@ucdavis.edu>,
<9403130947591.gilbaronw0mn.DLITE@delphi.com>, <CMnwBF.ECt@ucdavis.edu>
Subject : Re: CAN WE SELL STUFF HERE?

>Gilbert Baron (gilbaronw0mn@delphi.com) wrote:
>: >happens in the newsgroups, if you think it's bad now AOL is now on the
>: >newsgroups another million newbies in one fell swoop.

A large part of the problem is that these services offer "free trial memberships" and allow posting - thus you get people who go out and buy a modem, get on-line, post a blatantly offensive advertisement to non-commercial groups, and then go away, having used up their free trial. Not much we can do about that person; he's gone.

We have a similar problem here at the University each year as freshmen get their new computer access. Luckily more and more of them have some experience with computer networks when they arrive, but even so, that experience was gained at the expense of someone somewhere.

AOL, Delphi, Prodigy, and so on are just the latest instances of the newbie problem. Perhaps because the users of those systems are PAYING for their access it's harder to say to them "no posting until you know what you're doing!".

- Brian

End of Info-Hams Digest V94 #288

